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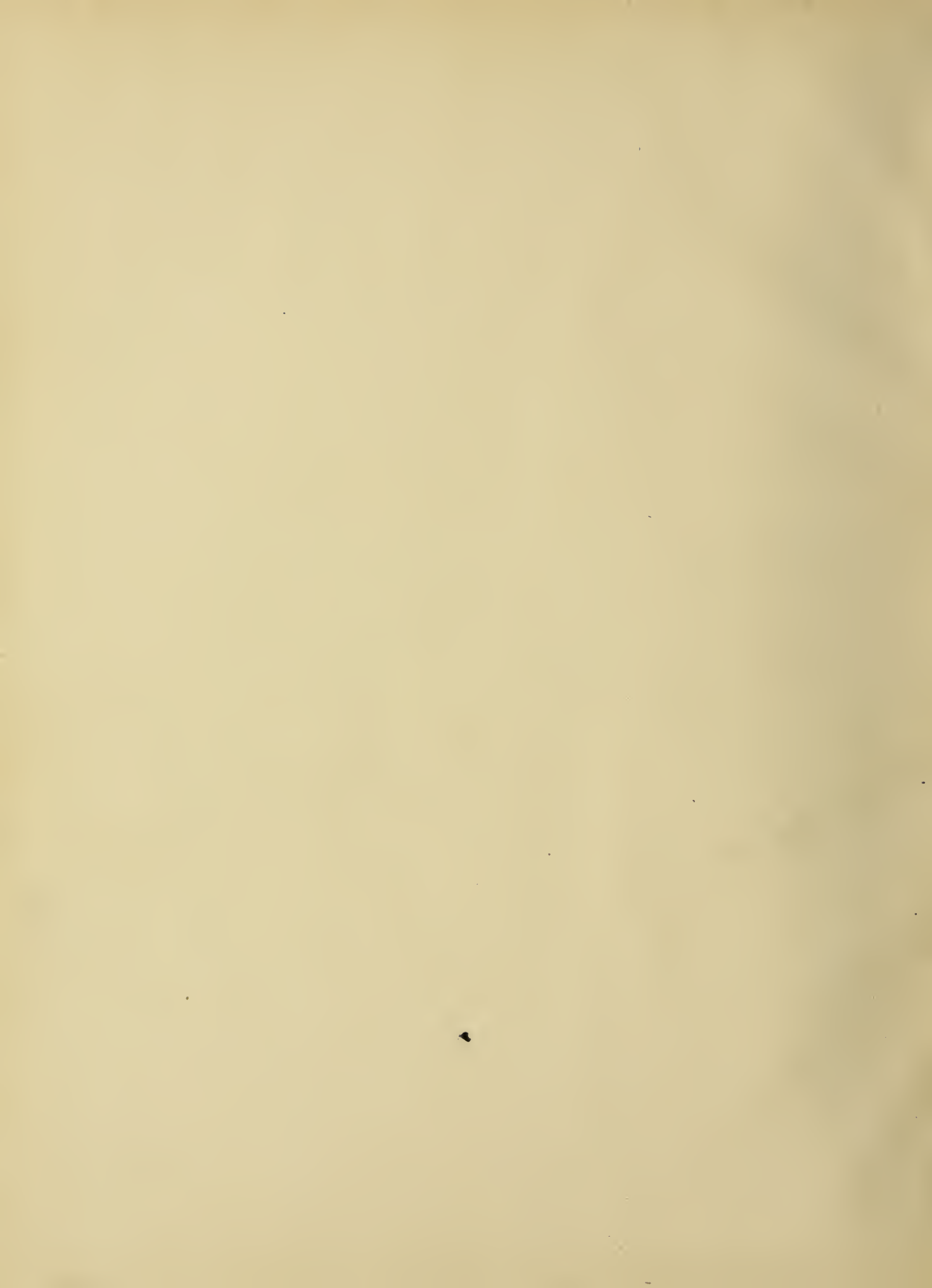
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DESIGN FOR A STATE CAPITOL

BY

EDWARD CAREY ENGLISH, JR.

THESIS FOR DEGREE OF BACHELOR OF SCIENCE
IN ARCHITECTURE

COLLEGE OF ENGINEERING
UNIVERSITY OF ILLINOIS

PRESENTED JUNE 1902

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UNIVERSITY OF ILLINOIS

June 1, 1902 190

THIS IS TO CERTIFY THAT THE THESIS PREPARED UNDER MY SUPERVISION BY

Edward Carey English, Jr.

ENTITLED Design for a State Capitol

IS APPROVED BY ME AS FULFILLING THIS PART OF THE REQUIREMENTS FOR THE DEGREE

OF Bachelor of Science in Architecture

N. C. Picken

HEAD OF DEPARTMENT OF Architecture

The problem chosen for this thesis was a Capitol Building for a state of first importance.

The programme was compiled from the programmes of the recently built capital buildings of Rhode Island and Pennsylvania and is as follows:— First Floor

Governor	5 rooms	2600 sqft.
Secretary of State	3 " + vault	2200 " "
Treasurer	3 " " "	2000 " "
Auditor	3 " " "	1600 " "
Attorney-General	3 " " "	1800 " "
Superintendent of Public instructions	3 " " "	1200 " "
Supreme Court	1 " " "	1400 " "
Clerks of Supreme Court	2 " + vault	800 " "
Consultation room	1 " "	380 " "
Judge's rooms	7	2400 " "
Judge's Private Corridor	—	—
Reporter's	2	600 " "
Library (Main)	2	2000 " "

Second or Legislative Floor

Senate - A chamber to accommodate



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2.

fifty six senators, officers, reporters, clerks and spectators	1 room	2500 sq ft
Coat rooms	2 "	800 " "
Senators Returning room	1 " & Lobby	400 " "
Bic - Governor	3	1000 " "
Speaker Pro-tem	1	300 " "
Senate Comm. rooms	8	3400 " "

House of Representatives:- A hall to accommodate one hundred fifty six members, officers, reporters, clerks and spectators	1 room	4000 " "
Speaker	3 "	900 " "
Clerk	2 "	600 " "
Returning rooms	2 "	900 " "
Committee rooms	7 "	2800 " "
Library	3 "	3000 " "
Meeting room for State Boards		900 " "
Game & Fish Comm.		280 " "
Post Office		250 " "
State Board of Charities		530 " "
< Third Floor		
House Galleries		
" Reserve Seating Space		
Senate Galleries		

Senate Reserve Seating Space

5 Committee rooms 5 rooms

Oil inspector 1 "

Boiler 1 "

Grain " 1 "

Insurance Comm. 2 "

Ware House " 2 "

Garage " 1 "

Railroad " 2 "

Public Examiner 3 "

State board of health 1 "

" Veterinarian 1 "

Basement.

Agriculture 3 "

Arsenal 3 "

Laboratory 3 "

Museum 3 "

Cafe 3 "

State Historical Society 4 "

Dairy Comm. 1 "

Fish " 1 "

Superintendent of
Buildings and Grounds 2 "

The following rooms should

be directly connected with the public corridors and upon the principal floor:-

Telegraph office	200 sq ft.
Telephone	200 " "

Toilet rooms for women employees with cloak room and matron's room 400...

Provide 4 elevators to run full height of building

- Provide 4 main stair cases on each floor

Provide 2 toilets opening off main corridor on first floor, also at least 4 private toilets on same floor

Provide 4 toilets on second floor opening off main corridors.

Provide same of third floor and basement.

The building is to be strictly fire proof. All exterior wall to be of a light gray sand stone. Interior wall will be of tile unless other, is shown.

The problem as analysed consists of a central mass, two appendages and two links. It has been the

aim of the designer to secure as great a monumental effect as possible.

The building is raised upon a high basement and is entered from the front by a broad flight of steps. The portico and vestibules are spacious and of varied designs.

On entering the rotunda the whole plan develops to the observer. The corridors have been chosen along as simple axes as possible, and in connection with the reception rooms, form perfect circulation for large assemblages.

Large decorated floor spaces divided by columns, broad flights of stairs, a rotunda highly decorated, well lighted and with a height of one hundred eighty feet add dignity and monumental effect to first floor.

The entire building is designed upon similar axes, every partition is over a line of supports.

The second or legislative floor has been planned so as to give the best working space possible without interference from the public. Like the first floor the simplicity in the arrangement of the corridors and free floor space adds dignity to the planning.

The third floor is arranged for handling the crowds of spectators. The galleries, stairs & elevators open off main corridors. Each branch of Legislation has its separate stairs and elevators to avoid confusion.

The problem of lighting by natural sources has been carefully studied. Each office & main room receives its light from outside windows. The House, Senate Chamber & rotunda & main corridors receive their light from a system of skylights.

Vignola's classic proportions have been followed closely as possible.

Probable cost of building \$2,750,000⁰⁰

Edward Carey English Jr '02 Designer.





